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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/584,696

06/04/2007

Mika Hurula

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EXAMINER

DOAN, PHUOC HUU

ART UNIT

PAPER NUMBER

2617

MAIL DATE

DELIVERY MODE

06/09/2010

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/584,696	Applicant(s) HURULA ET AL.	
	Examiner PHUOC DOAN	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 24-46 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 24-46 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____. |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 24-46 are rejected under 35 U.S.C. 103(a) as being unpatentable over Curtiss (US Pub No: 2003/0162562) in view of Anderson (US Patent No. 7,633,963).

As to claim 24, 34, 35, 46, Curtiss discloses a mobile terminal (Fig. 2, Wireless Communication Device 204) capable of supporting a plurality of accessory functions with one or more accessories (Fig. 2, External Connection with equipped accessory”), the mobile terminal capable of supporting each accessory function in two or more modes (par [0032, 0037] “the type of accessory include a speaker phone system, a hands free ear piece, adapter battery or an interface module for interfacing with other electronic devices”), and each accessory storing a capability array indicative of the capabilities of the accessory (par [0034-0035, 0039, 0041] “the mobile device supported accessory 212 function includes the memory interfaces

with the controller and any of data may be stored on the accessory”); the mobile terminal comprising: reading means for reading a capability array from an accessory (par [0041-0042]; interpreting means for interpreting a capability array read by the reading means in accordance with a predefined format as including one or more fields (par [0054])). However, Curtiss does not clearly disclose each field corresponding to an accessory function; identifying means for identifying a mode of an accessory function in dependence on the content of a field of the capability array, the field corresponding to the accessory function; and supporting means responsive to the identifying means for supporting the accessory function with the accessory in the mode identified by the identifying means.

But, Anderson clearly discloses each field corresponding to an accessory function; identifying means for identifying a mode of an accessory function in dependence on the content of a field of the capability array (col. 3, lines 5-15), the field corresponding to the accessory function (see col. 3, lines 5-15, col. 23 through col. 24, lines 1-65 “where to provide a table with included the content of a field containing the bits value based on the application of the accessory function such as interface or bus; and adapter interface, for example, accessory interface bus for telephone headset adapter”); and supporting means responsive to the identifying means for

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supporting the accessory function with the accessory in the mode identified by the identifying means (col. 3, lines 5-15, col. 23 through col. 24, lines 1-65). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was modified by Anderson to the system of Curtiss in order to directly control and monitor operation on wireless field.

As to claim 25, 26, 36, 37, Anderson further discloses mobile terminal as claimed in claim 24, wherein the accessory function corresponds to a capability of an accessory (see col. 3, lines 5-15, col. 23 through col. 24, lines 1-65 “where to provide a table with included the content of a field containing the bits value based on the application of the accessory function such as interface or bus; and adapter interface, for example, accessory interface bus for telephone headset adapter”).

As to claim 27, 28, 29, 38, 39, 40, Anderson further discloses mobile terminal as claimed in claim 24, wherein the capability array comprises at least one data block (see col. 25 through col. 26, lines 1-65 “where to provide a data block, divided by bit or byte on the Field Contents”).

As to claim 30, 31, 32, 33, 41, 42, 43, 44, 45, Curtiss further discloses 30. A mobile terminal as claimed in claim 24 wherein the mobile terminal comprises connecting means for connecting to an accessory (par [0032, 0034-0035, 0037] “hands free ear piece; wireless of electronic device, pagers, audio devices, digital cameras, video recorders”).

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHUOC DOAN whose telephone number is (571)272-7920. The examiner can normally be reached on 10:00AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, LESTER KINCAID can be reached on 571-272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/PHUOC DOAN/
Examiner, Art Unit 2617